

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. (currently amended) In a multimedia computer amplified speaker system having a speaker driver for transducing into sound an audio electrical signal that has an amplitude, the improvement comprising:

a dynamic bass equalization circuit with a second or higher order active filter having [[a]] automatic dynamically adjusted gain and frequency response that vary with the amplitude of the audio electrical signal,

the active filter including an amplifier with a negative feedback path which reduces a gain of said amplifier as said amplitude of said audio electrical signal increases that includes a parallel pair of opposed diodes that provide the dynamically adjusted gain and frequency response.

2. (original) The speaker system of claim 1 in which the active filter includes a Sallen-Key high pass filter.

3. (canceled)

4. (canceled)

5. (currently amended) The speaker of claim [[1]] 31 in which the amplifier includes an output and the negative feedback path includes a resistor connected in series with the parallel pair of opposed diodes and the amplifier output.

6. (currently amended) The speaker system of claim [[1]] 31 in which the amplifier includes a positive feedback path having a voltage divider that voltage divides a feedback voltage.

7. (original) The speaker of system claim 6 in which the amplifier includes an output and the negative feedback path includes a resistor connected in series with the parallel pair of opposed diodes and the amplifier output.

8. (original) The speaker system of claim 1 in which the active filter includes an amplifier with a positive feedback path having a voltage divider that voltage divides a feedback voltage.

9. (original) The speaker system of claim 1 in which the dynamic bass equalization circuit provides a bass equalized audio signal that is delivered to a sub-woofer speaker driver.

10. (original) The speaker system of claim 1 in which the dynamic bass equalization circuit provides a bass equalized audio signal that is delivered to a full-range speaker driver.

11. (currently amended) A speaker configured to receive in a multimedia computer amplified speaker system having a speaker driver for transducing into sound an audio electrical signal that has an amplitude from a multimedia computer, the improvement comprising:

a speaker housing;

an electrical signal input;

at least one treble band speaker;

a sub-woofer speaker;

a dynamic bass equalization circuit coupled between said electrical signal input and said sub-woofer speaker,

said dynamic bass equalization circuit including with a second or higher order Sallen-Key high pass filter having a dynamically adjusted gain and frequency response that vary with the amplitude of the audio electrical signal,

the active filter including

an amplifier and

~~with a negative feedback path that includes a parallel pair of opposed diodes which reduce a gain of said amplifier as said amplitude of said audio electrical signal increases that provide the dynamically-adjusted gain and frequency response.~~

12. (canceled)

13. (canceled)

14. (currently amended) The speaker ~~system~~ of claim 11 in which the amplifier includes an output and the negative feedback path includes a resistor connected in series with the parallel pair of opposed diodes and the amplifier output.

15. (currently amended) The speaker ~~system~~ of claim 11 in which the amplifier includes a positive feedback path having a voltage divider that voltage divides a feedback voltage.

16. (currently amended) The speaker ~~system~~ of claim 15 in which the amplifier includes an output and the negative feedback path includes a resistor connected in series with the parallel pair of opposed diodes and the amplifier output.

17. (currently amended) The speaker ~~system~~ of claim 11 in which the active filter includes an amplifier with a positive feedback path having a voltage divider that voltage divides a feedback voltage.

18. (currently amended) The speaker ~~system~~ of claim 11 in which the dynamic bass equalization circuit provides a bass equalized audio signal that is delivered to a sub-woofer speaker driver.

19. (currently amended) The speaker ~~system~~ of claim 11 in which the dynamic bass equalization circuit provides a bass equalized audio signal that is delivered to a full-range speaker driver.

20. - 30. (canceled)

31. (new) The speaker system of claim 1 wherein said feedback path includes a parallel pair of opposed diodes which reduce the gain of said amplifier as said amplitude of said audio electrical signal increases.